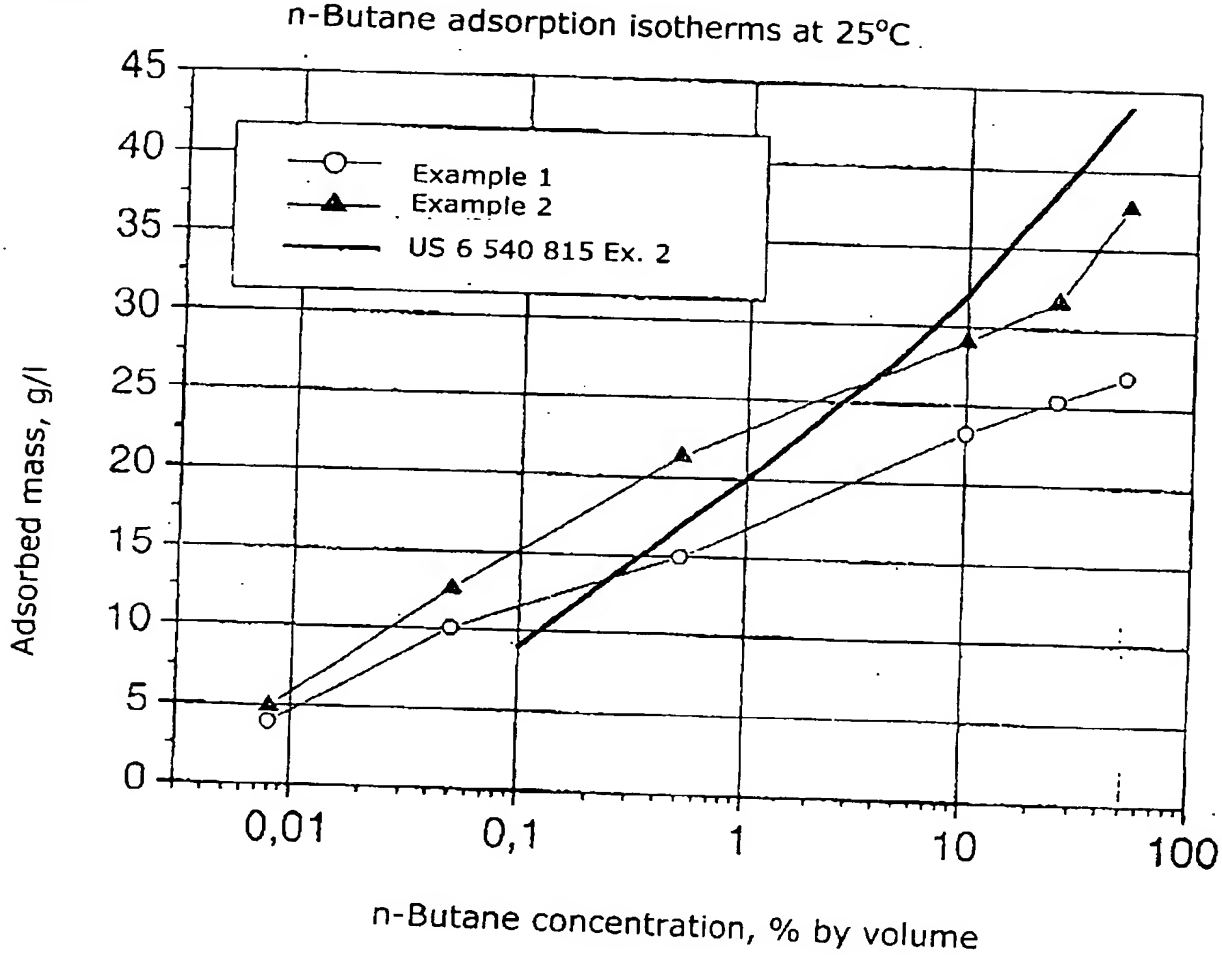
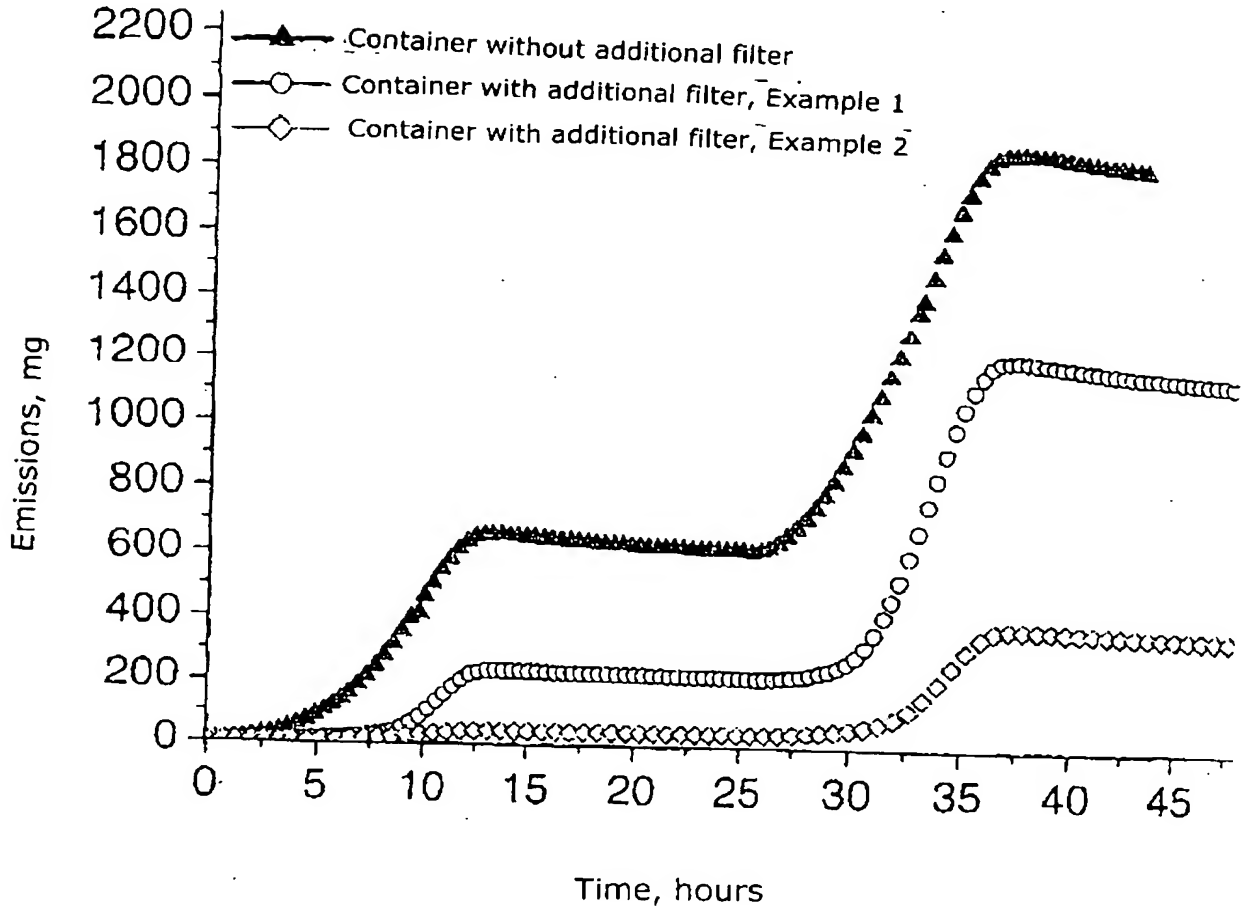
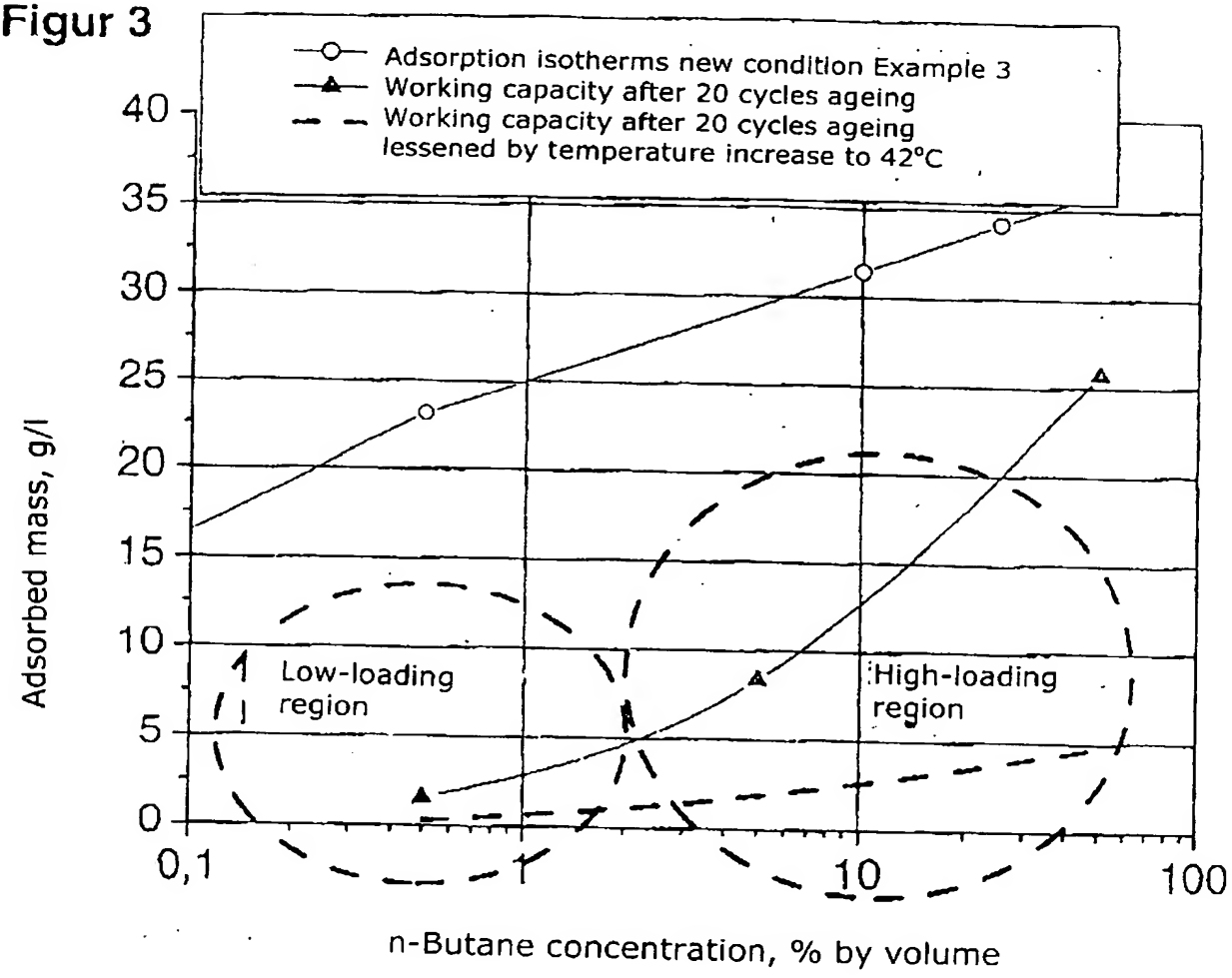
Figur 1


n-Butane adsorption isotherms at 25°C
Example 1
Example 2
US 6 540 815 Ex. 2
Adsorbed mass, g/l
0
5
10
15
20
25
30
35
40
45
0,01
0,1
1
10
100
n-Butane concentration, % by volume

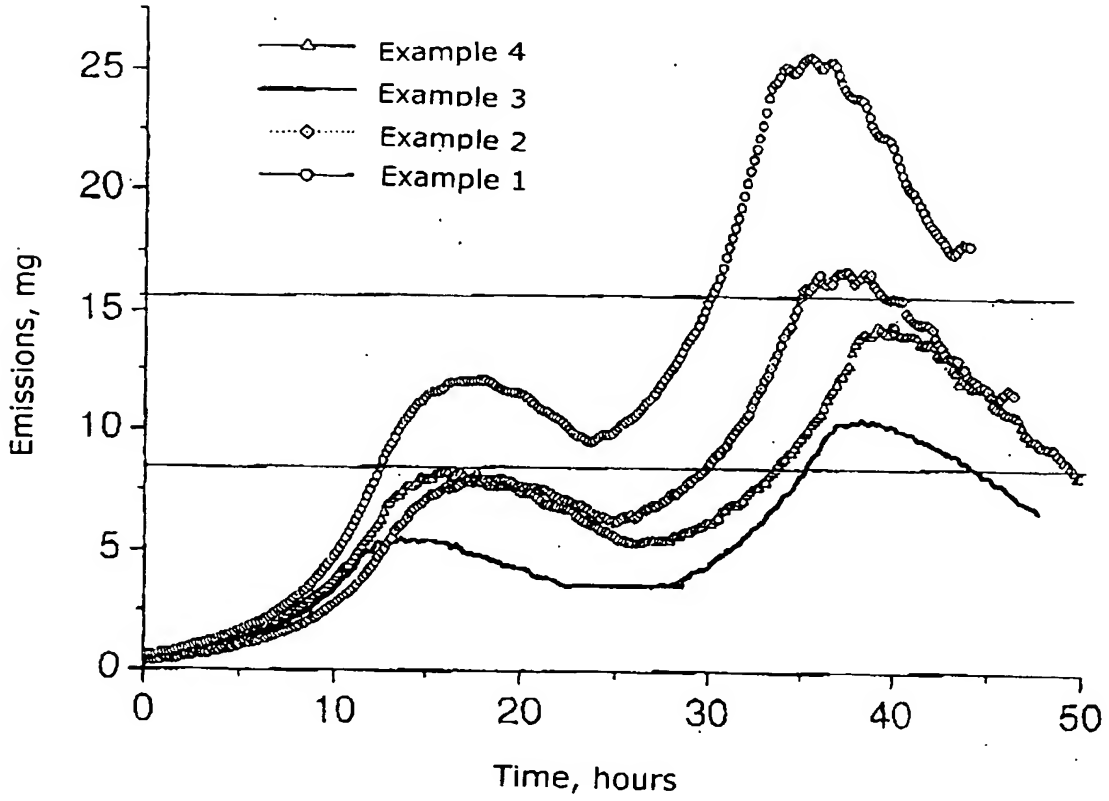
Figur 2


Container without additional filter
Container with additional filter, Example 1
Container with additional filter, Example 2
Emissions, mg
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
5
10
15
20
25
30
35
40
45
Time, hours

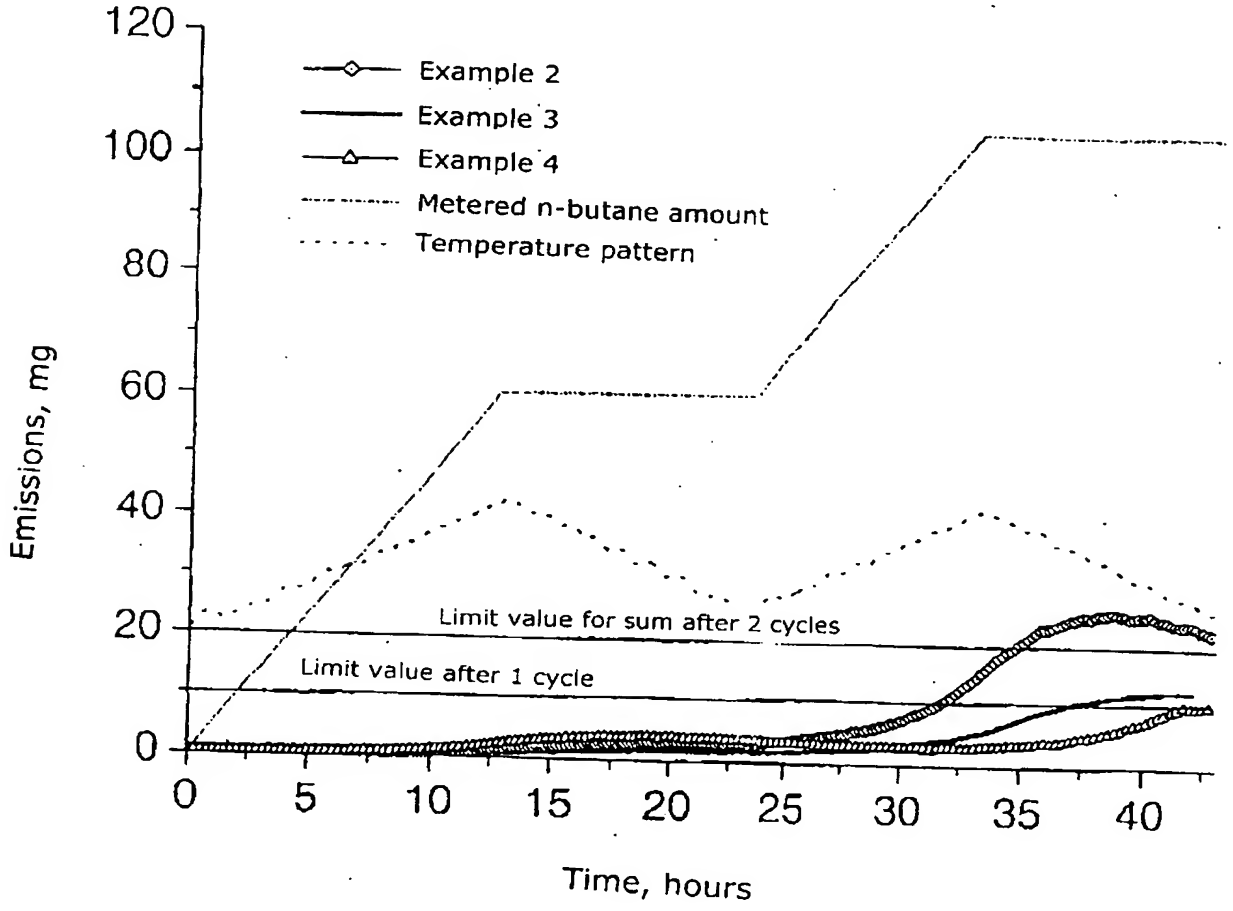
Figur 3


Adsorption isotherms new condition Example 3
Working capacity after 20 cycles ageing
Working capacity after 20 cycles ageing lessened by temperature increase to 42°C
Adsorbed mass, g/l
40
35
30
25
20
15
10
5
0
Low-loading region
High-loading region
0,1
1
10
100
n-Butane concentration, % by volume

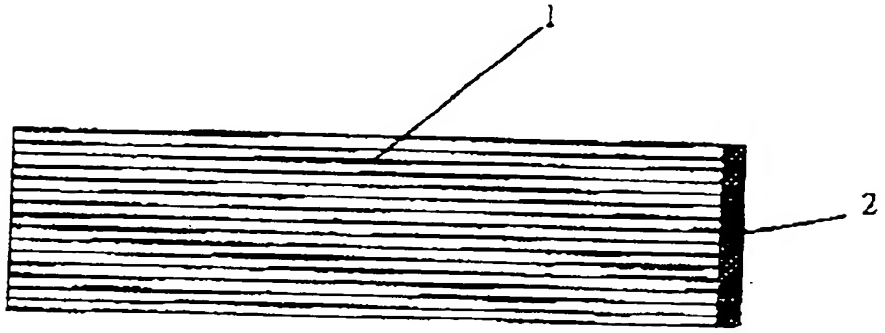
Figur 4


Example 4
Example 3
Example 2
Example 1
Emissions, mg
Time, hours
0
5
10
15
20
25
0
10
20
30
40
50

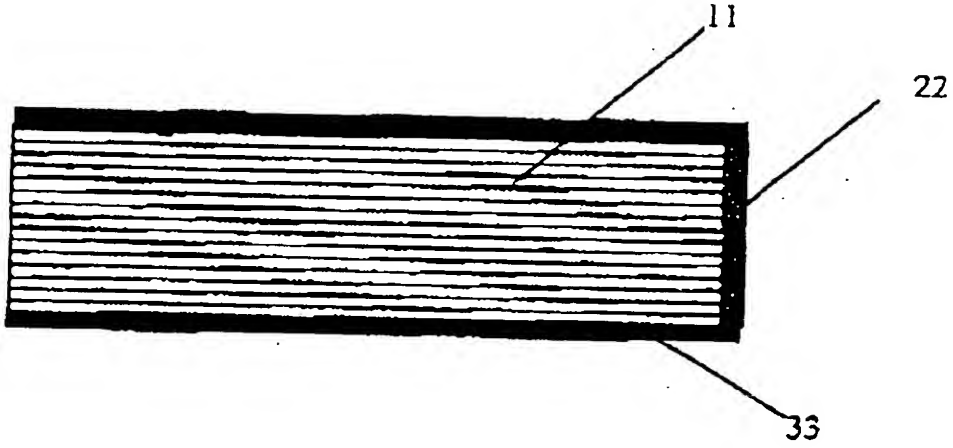
Figur 5


120
100
80
60
40
20
0
Emissions, mg
Example 2
Example 3
Example 4
Metered n-butane amount
Temperature pattern
Limit value for sum after 2 cycles
Limit value after 1 cycle
0
5
10
15
20
25
30
35
40
Time, hours

Figur 6



Figur 7



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